

INCH-POUND

MIL-DTL-52525/10B

30 June 1998

SUPERSEDING

MIL-F-52525/10A

30 June 1987

DETAIL SPECIFICATION SHEET

FITTINGS, HOSE, SCREW-ON TO 4-BOLT SPLIT-FLANGE, STRAIGHT, TYPE 100R2

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-52525. The fittings described herein are for use with MIL-DTL-52471, type 100R2, double wire braid hose.

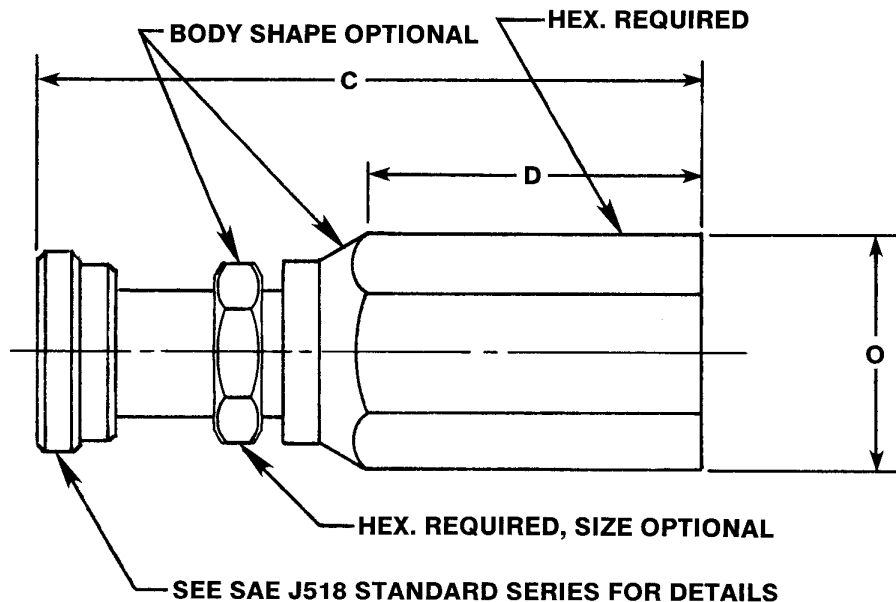


FIGURE 1. Fitting, screw-on to 4-bolt split-flange, straight.

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TABLE I. Dimensions for type 100R2 fittings. 1/

Part number	Hose dash no.	Hose I.D.	Tube dash no.	Flange head		C Max	D Min	O Max
				dash no.	size			
M52525/10-8-8	8	1/2	8	8	1/2	3.78	1.27	1.38
M52525/10-12-12	12	3/4	12	12	3/4	4.25	1.36	1.75
M52525/10-16-16	16	1	16	16	1	4.74	1.61	2.06
M52525/10-16-20	16	1	20	20	1-1/4	4.74	1.61	2.06
M52525/10-20-20	20	1-1/4	20	20	1-1/4	5.35	1.80	2.63
M52525/10-20-24	20	1-1/4	24	24	1-1/2	5.35	1.80	2.63
M52525/10-24-24	24	1-1/2	24	24	1-1/2	5.61	2.08	2.94
M52525/10-24-32	24	1-1/2	32	32	2	5.61	2.08	2.94
M52525/10-32-32	32	2	32	32	2	6.37	2.44	3.50

1/ All dimensions not shown shall conform to SAE J516.

TABLE II. Maximum operating pressures of fittings.

Hose I.D.	PSI
1/2	3500
3/4	2250
1	2000
1-1/4	1625
1-1/2	1250
2	1125

REQUIREMENTS:

1. Fittings shall be in accordance with figure 1 and tables I and II.
2. Materials and finishes shall be as specified in MIL-DTL-52525.
3. Marking shall include the manufacturer's name or trademark, size, and hose identifier R2. Location of marking is optional.

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NOTES:

1. Dimensions are in inches.
2. Part number.

Example of a Military part number: M52525/10-8-8

Specification sheet number	M52525/10	-8	-8
Size dash number for hose (see table I)			
Size dash number for tube (see table I)			

CONCLUDING MATERIAL

Custodian:
Army - AT
Air Force - 99

Preparing activity:
DLA - CC

(Project 4730-0859-10)

Review activities:
Air Force - 82
Army - AR